Template:AWSFMB140

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Contents

Document Information

Glossary

- FMB140 (tracker) – GNSS tracking device manufactured by Teltonika Telematics.
- Wiki – Teltonika IoT knowledge base - https://wiki.teltonika-iot-group.com/.
- FOTA – Firmware Over The Air.
- Configurator – Tool to configure Teltonika Telematics devices.
- Crowd support forum – knowledge base dedicated for Troubleshooting.

Revision History (Version, Date, Description of change)

Version	Date	Description
v1.5	2023.02.14	Links updated
v1.4	2022.12.19	Minor information update
v1.3	2022.11.29	Page created

Overview

FMB140 is an ADVANCED GSM/GNSS/Bluetooth tracker with integrated CAN data processor. It is compact 2 in 1 solution: GPS tracker and CAN adapter inside! Device allows to read CAN data from a wide range of various vehicles, including light & electric vehicles, trucks, buses and special machinery. Depending on exact software version FMB140 can be used in advanced applications as heavy logistics, delivery services, utility transport. Two options available to fulfill any business demands:

- LV-CAN200 option – default software version with LV-CAN200 parameters, including fuel level, consumption, odometer, CAN speed, pedal position, Supported vehicle types: light vehicles, trucks, buses.
- ALL-CAN300 option – advanced software version allows to read more parameters than default version. Available additional parameters include AdBlue level, engine lifetime, airbag. Supported vehicle types: light vehicles, trucks, buses + electric vehicles, agriculture, construction, forest, utility & special machineries.

Currently for MQTT solution evaluation firmware is required to be used - 03.27.10.Rev.520. For firmware supporting MQTT please contact your sales manager or contact directly via Teltonika Helpdesk.

Changes in firmware versions and update information can be found in device wiki page: FMB140 firmware errata

Hardware Description

DataSheet

FMB140 device data sheet can be downloaded here: FMB140 Datasheet

Standard Kit Contents

STANDARD PACKAGE CONTAINS

- 10 pcs. of FMB140 trackers
- 10 pcs. of Input/output power supply cables (0.9 m)
- CAN functionality (LV-CAN200 or ALL-CAN300)
- Packaging box with Teltonika branding

Teltonika suggest standard order codes for the device purchase, by contacting us, we can create special order code which would fulfill user needs.

More ordering information at: Ordering

User Provided Items

- Power supply (10-30V).
- MicroUSB to USB A cable.

Set up your Development Environment

Tools Installation (IDEs, Toolchains, SDKs)

FMB140 comes with our created firmware, therefore no additional development or scripting is required for this unit to support AWS IoT. Only by using Teltonika Configurator FM Configurator versions, connection point of AWS IoT server is required.

Other software required to develop and debug applications for the device

For debugging situations, device internal logs can be downloaded OTA by using our FotaWEB platform or by using Teltonika Configurator.

Set up your hardware

All details about FMB140 can be located in our dedicated wiki page FMB140

- Basic device startup instructions provided in FMB14 First Start.
- Device characteristics, power supply information: FMB140 General description
- FMB140 firmware change can be performed via FotaWEB(direct buyer gets access to this platform) or via device Configurator
- Device LED information: FMB140 LED Status
- USB driver download, datasheet and quick start guide downloads: FMB140 Downloads